

Grafix PxiT

A premium pre-sensitized emulsion for commercial graphics printing.

CHARACTERISTICS

- Resistant to UV-cured, plastisol and solvent-based ink. Water resistant when post-exposed.
- Medium solids content and medium viscosity for excellent print definition on any mesh.
- Exposes 4 times faster than diazo or dual-cure emulsions with no mixing required.
- Easy to reclaim

DIRECTIONS FOR USE

Handle under yellow safelight or low wattage tungsten lights. Avoid exposure to daylight, quartz/halogen lamps, cool white fluorescent lamps or discharge lamps.

• Sensitizing & Mixing

Emulsion is pre sensitized during production and does not require mixing.

• Mesh Preparation & Degreasing

Degrease and abrade new mesh with Degreaser in order to optimize stencil adhesion; dry and store the screen in a dust free, dry environment prior to coating. For more applications, thoroughly degrease the mesh prior to use.

• Coating

Using a high quality scoop coater or coating through, apply one or two coats to the substrate side of the screen, followed by one or two coats on the squeegee side. For a thicker stencil, apply additional coats to the squeegee side prior to drying. For a higher quality stencil with a minimal increase in stencil thickness, apply one or two additional coats to the substrate side of the screen after the initial coats have dried.

• Drying & Storage

Thoroughly dry the coated screen at a maximum temperature of 104°F (40°C) in a dust free, dark or yellow light area, with the substrate side facing down to optimize stencil quality. Coated Screens should be stored in a dust free, dry, safelight environment.

• Exposing

Ensure that all surfaces, emulsion, film and glass are free of dust to minimize pinholes. Contact the emulsion side of the positive with the substrate side of the screen and secure in position before placing the screen in a suitable vacuum frame. Many variables, such as lamp type and age, distance from lamp to screen, mesh type and coating thickness, can affect exposure time. Perform an exposure test with an exposure calculator to determinate correct exposure time for a complete cure.

• **Developing**

Wet both sides of the screen with a strong, finely divided spray of water and continue washing out until all image areas are fully open. Rinse both sides of the screen and dry thoroughly before use. A properly exposed and developed screen will not leave residues on the squeegee side. Post expose with daylight or exposure lamp to produce a more water-resistance stencil.

• **Reclaiming**

Remove all ink residues immediately after printing with an appropriate solvent. Remove stencil with Decoater gel (or Powder) with a pressure wash. For stains and ghost images, use Haze Remover followed by a pressure washer.

• **Health & Safety**

Before using, refer to appropriate material safety data sheets.

PROBLEM SOLVING

Poor Coating Quality

- Clean, degrease and rinse the screen mesh to remove all residues and traces of chemicals
- Check the tension of the screen on the frame
- Clean and ensure the scoop coater does not have any defect edge

Poor Detail or Difficulty Washing Out Image

- Ensure emulsion and coated screens are handled in safelight conditions only
- Ensure a minimum vacuum of 0.66 bar (500 mmHg or 20 in Hg) on vacuum gauge for optimum contact of the positive
- Optimize exposure time and use only high quality film positives
- Do not store sensitized emulsion or coated screen at high temperatures

Emulsion Falls Off, Extreme Pinholes or Severe Stencil Breakdown during Printing

- Ensure that damp screens are not being exposed
- Only expose screens with an even and consistent Coating thickness
- Ensure that stencil has not been severely underexposed
- High temperature

Difficulty Reclaiming Screens

- Not reclaimable once catalyzed
- Optimize exposure time and properly rinse the squeegee side of the screen during developing to remove all residual traces, especially when using higher mesh count dyed fabric

STORAGE

When sealed in the original container and stored in cool conditions, Emulsion will maintain its original properties for one year from the date of production.

“Read and understand the Material Safety Data Sheet prior to the usage of the product”

For info please call our Technical Support Team on +1(866) 936.4849 or eMail us at info@4sgraphics.com

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